

S/N 10/565,857

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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 NOV 21 CAS patent coverage to include exemplified prophetic
substances identified in English-, French-, German-,
and Japanese-language basic patents from 2004-present
NEWS 3 NOV 26 MARPAT enhanced with FSORT command
NEWS 4 NOV 26 CHEMSAFE now available on STN Easy
NEWS 5 NOV 26 Two new SET commands increase convenience of STN
searching
NEWS 6 DEC 01 ChemPort single article sales feature unavailable
NEWS 7 DEC 12 GBFULL now offers single source for full-text
coverage of complete UK patent families
NEWS 8 DEC 17 Fifty-one pharmaceutical ingredients added to PS
NEWS 9 JAN 06 The retention policy for unread STNmail messages
will change in 2009 for STN-Columbus and STN-Tokyo
NEWS 10 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent
Classification Data
NEWS 11 FEB 02 Simultaneous left and right truncation (SLART) added
for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 12 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13 FEB 06 Patent sequence location (PSL) data added to USGENE
NEWS 14 FEB 10 COMPENDEX reloaded and enhanced
NEWS 15 FEB 11 WTEXTILES reloaded and enhanced

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:26:57 ON 11 FEB 2009

=> set abbr on perm

S/N 10/565,857

SET COMMAND COMPLETED

=> set plurals on perm

SET COMMAND COMPLETED

=> file caplus japio inpadoc

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'CAPLUS' ENTERED AT 18:27:24 ON 11 FEB 2009
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FILE 'JAPIO' ENTERED AT 18:27:24 ON 11 FEB 2009
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FILE 'INFADOCDB' ENTERED AT 18:27:24 ON 11 FEB 2009
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=> s jp 04-353551/pn
L1 2 JP 04-353551/PN

=> d l1 1-2 all

L1 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1993:429341 CAPLUS
DN 119:29341
OREF 119:5429a,5432a
ED Entered STN: 24 Jul 1993
TI Chemically resistant thermoplastic resin compositions
IN Yamaguchi, Hideki; Aoki, Hiromitsu; Mori, Bunzo; Kohama, Tsutomu
PA Sumitomo Naugatuck Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM C08L055-02
ICS C08L023-02; C08L051-00; C08L051-06
CC 37-6 (Plastics Manufacture and Processing)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04353551	A	19921208	JP 1991-157716	19910531 <--
	JP 2926166	B2	19990728		
PRAI	JP 1991-157716		19910531		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 04353551	ICM	C08L055-02
	ICS	C08L023-02; C08L051-00; C08L051-06
	IPCI	C08L0055-02 [ICM,5]; C08L0055-00 [ICM,5,C*]; C08L0023-02 [ICS,5]; C08L0023-00 [ICS,5,C*]; C08L0051-00 [ICS,5]; C08L0051-06 [ICS,5]
	IPCR	C08L0023-00 [I,C*]; C08L0023-02 [I,A]; C08L0025-00 [I,C*]; C08L0025-08 [I,A]; C08L0051-00 [I,C*]; C08L0051-00 [I,A]; C08L0051-06 [I,A]; C08L0055-00 [I,C*]; C08L0055-00 [I,A]; C08L0055-02 [I,A]

AB The title compns. with good impact strength comprise (A) 100 parts mixts.

of 10-90% graft copolymers prepared by grafting butadiene rubbers or ethylene-propylene rubbers with ≥ 2 compds. selected from aromatic vinyl compds., cyanovinyl compds., and unsatd. carboxylic alkyl esters and 10-90% graft copolymers prepared by grafting acrylate ester rubber with ≥ 2 compds. selected from aromatic vinyl compds., cyanovinyl compds., and unsatd. carboxylic alkyl esters, and (B) 0.1-40 parts epoxy-containing olefin copolymers comprising unsatd. epoxides, olefins, and optionally ethylenically unsatd. compds. Thus, 50 parts (as solid) polybutadiene latex (0.45 μ m average diameter, 83% gel fraction) was treated with 15 parts acrylonitrile (I) and 35 parts styrene (II) to obtain ABS latex (III). Sep., 50 parts (as solid) crosslinked poly(Bu acrylate) latex (0.3 μ m average diameter) was treated with 15 parts I and 35 parts II to obtain a latex (IV). Then, III 20, 30:70 acrylonitrile-styrene copolymer 55, IV 25, and 90:7:3 ethylene-glycidyl methacrylate-vinyl acetate copolymer 5 parts were melt kneaded, pelletized, and injection molded to give test pieces showing notched Izod impact strength 15 kg-cm/cm and good crack resistance by coating with brake oil or gasoline.

ST thermoplastic resin blend chem resistance; ABS resin blend chem resistance; epoxy polyolefin thermoplastic resin blend; polystyrene rubber modified blend thermoplastic; impact resistant thermoplastic resin blend

IT Gasoline
RL: USES (Uses)
(resistance to, of rubber-reinforced polystyrene blends with epoxy polyolefins)

IT Plastics
RL: USES (Uses)
(rubber-modified polystyrene blends, with epoxy polyolefins, chemical and impact-resistant)

IT Impact-resistant materials
(rubber-reinforced polystyrene blends, with epoxy polyolefins, chemical resistant)

IT Hydraulic fluids
(brake, resistance to, of rubber-reinforced polystyrene blends with epoxy polyolefins)

IT Alkenes, polymers
RL: USES (Uses)
(poly-, epoxy group-containing, blends, with rubber-reinforced polystyrenes, thermoplastic, chemical resistant)

IT 9003-54-7, Acrylonitrile-styrene copolymer 106464-96-4 106677-58-1, Acrylonitrile-butadiene-styrene graft copolymer
RL: USES (Uses)
(blends, with acrylonitrile-Bu acrylate-styrene graft copolymer and epoxy polyolefins, thermoplastic, chemical resistant)

IT 26061-90-5, Ethylene-glycidyl methacrylate copolymer 36604-80-5, Ethylene-glycidyl methacrylate-vinyl acetate copolymer 108554-70-7, Acrylonitrile-butyl acrylate-styrene graft copolymer
RL: USES (Uses)
(blends, with rubber-reinforced polystyrenes, thermoplastic, chemical resistant)

L1 ANSWER 2 OF 2 INPADOCDB COPYRIGHT 2009 EPO/FIZ KA on STN

AN 30223294 INPADOCDB
FN 19468661
IN YAMAGUCHI HIDEKI; AOKI HIROMITSU; MORI BUNZO; KOHAMA TSUTOMU
PA SUMIKA EI BII ESU RATETSUKUSU KK
DT Patent
PI JP 2926166B B2 19990728
PIT JPB2 GRANT. PATENT WITH A [FROM 2500000 ONWARDS, FROM 1996]
DAV 19990728 printed-with-grant

S/N 10/565,857

STA GRANTED
AI JP 1991-157716 A 19910531
AIT JPA Patent application
PRAI JP 1991-157716 A 19910531 (JPA)
PRAIT JPA Patent application
IC.V 6
ICM C08L055-02
ICS C08L023-02; C08L025-08; C08L051-00; C08L051-06
ICI C08L051-06, C08L025-08, C08L023-02, C08L051-00; C08L055-02, C08L025-08,
C08L051-00, C08L023-02
IPCR C08L0023-02 [I,A]; C08L0025-08 [I,A]; C08L0051-00 [I,A];
C08L0051-06 [I,A]; C08L0055-00 [I,A]; C08L0055-02 [I,A]
C08L0023-00 [I,C*]; C08L0025-00 [I,C*]; C08L0051-00 [I,C*];
C08L0055-00 [I,C*]
FA AI; AN; DAV; DT; ICI; ICM; ICS; IN; IPC; IPCR; PA; PI; PIT; PRAI

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
11.27	11.49

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.82	-0.82

CA SUBSCRIBER PRICE

STN INTERNATIONAL LOGOFF AT 18:28:08 ON 11 FEB 2009

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptaul55fxt

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	DEC 01	ChemPort single article sales feature unavailable
NEWS	3	JUN 01	CAS REGISTRY Source of Registration (SR) searching enhanced on STN
NEWS	4	JUN 26	NUTRACEUT and PHARMAML no longer updated
NEWS	5	JUN 29	IMSCOPROFILE now reloaded monthly
NEWS	6	JUN 29	EPFULL adds Simultaneous Left and Right Truncation (SLART) to AB, MCLM, and TI fields
NEWS	7	JUL 09	PATDPAFULL adds Simultaneous Left and Right Truncation (SLART) to AB, CLM, MCLM, and TI fields
NEWS	8	JUL 14	USGENE enhances coverage of patent sequence location (PSL) data
NEWS	9	JUL 27	CA/CAPLUS enhanced with new citing references
NEWS	10	JUL 16	GBFULL adds patent backfile data to 1855
NEWS	11	JUL 21	USGENE adds bibliographic and sequence information

S/N 10/565,857

NEWS 12 JUL 28 EPFULL adds first-page images and applicant-cited references
NEWS 13 JUL 28 INPADOCDB and INPAFAMDB add Russian legal status data
NEWS 14 AUG 10 Time limit for inactive STN sessions doubles to 40 minutes
NEWS 15 AUG 17 CAS REGISTRY, the Global Standard for Chemical Research, Approaches 50 Millionth Registration Milestone
NEWS 16 AUG 18 COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS 17 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 18 AUG 24 CA/Caplus enhanced with legal status information for U.S. patents

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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FILE 'HOME' ENTERED AT 14:30:30 ON 08 SEP 2009

=> set plurals on perm
SET COMMAND COMPLETED

=> set abbr on perm
SET COMMAND COMPLETED

=> file uspatall caplus japio		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.66	0.66

FILE 'USPATFULL' ENTERED AT 14:32:02 ON 08 SEP 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 14:32:02 ON 08 SEP 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 14:32:02 ON 08 SEP 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 14:32:02 ON 08 SEP 2009
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FILE 'JAPIO' ENTERED AT 14:32:02 ON 08 SEP 2009

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=> s (rubber(2a)(modified))(styren? or vinyl(1a)arom?)

MISSING OPERATOR MODIFIED))(STYREN?

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s (rubber(2a)(modified))(6a)(styren? or vinyl(1a)arom?)

L1 6937 (RUBBER(2A)(MODIFIED))(6A)(STYREN? OR VINYL(1A) AROM?)

=> s (polyethene or polyethylen or polypropylene or polypropene or ethylene or ethene or propylene or propene)(s)(glycidyl?(1a)methacrylate#)

L2 15181 (POLYETHENE OR POLYETHYLEN OR POLYPROPYLENE OR POLYPROPENE OR ETHYLENE OR ETHENE OR PROPYLENE OR PROPENE)(S)(GLYCIDYL?(1A) METHACRYLATE#)

=> s l1 and l2

L3 238 L1 AND L2

=> s ((styren?)(2a)(acrylonitri? or methacrylonitri?) or san)(4a)copolymer#

L4 57910 ((STYREN?)(2A)(ACRYLONITRI? OR METHACRYLONITRI?) OR SAN)(4A) COPOLYMER#

=> s l3 and l4

L5 135 L3 AND L4

=> s gloss(s)(graft(4a)copolymer#)

L6 1197 GLOSS(S)(GRAFT(4A) COPOLYMER#)

=> s l5 and l6

L7 12 L5 AND L6

=> d l7 1-12 ibib abs

L7 ANSWER 1 OF 12 USPATFULL on STN

ACCESSION NUMBER: 2006:295705 USPATFULL

TITLE: Styrene-based thermoplastic resin compositions with very low gloss and high impact strength

INVENTOR(S): Kang, Byoung-il, Daejeon, KOREA, REPUBLIC OF
You, Han-jong, Daejeon, KOREA, REPUBLIC OF
Kim, Seong-lyong, Daejeon, KOREA, REPUBLIC OF

PATENT ASSIGNEE(S): LG CHEM, LTD., Seoul, KOREA, REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20060252875	A1	20061109
APPLICATION INFO.:	US 2005-565857	A1	20050826 (10)
	WO 2005-KR2833		20050826
			20060125 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	KR 2004-68088	20040827
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	CANTOR COLBURN, LLP, 55 GRIFFIN ROAD SOUTH, BLOOMFIELD, CT, 06002, US	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	

LINE COUNT: 381

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to styrene-based thermoplastic resin compositions in which 1-10 weight part of a low-gloss additive selected from a group consisting of polyolefin copolymer(C) containing glycidyl methacrylate functional groups, styrene polymer(D) harboring two or more carboxyl functional groups per molecule, and a mixture of them, was added to 100 weight part of basic resin composed of 30-70 weight part of graft copolymer(A) containing rubber modified styrene and 30-70 weight part of copolymer(B) harboring styrene. The thermoplastic resin composition of the present invention has excellent impact strength and satisfactorily low gloss.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 2 OF 12 USPATFULL on STN

ACCESSION NUMBER: 2004:121248 USPATFULL

TITLE: Flame-retardant resin composition, moldings thereof and flame retardant

INVENTOR(S): Matsumoto, Hideki, Aichi, JAPAN
Koyama, Masafumi, Chiba, JAPAN
Yamauchi, Koji, Nagoya, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20040092664	A1	20040513
	US 7244786	B2	20070717
APPLICATION INFO.:	US 2003-344071	A1	20030327 (10)
	WO 2001-JP6740		20010806

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2000-239482	20000808
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	IP DEPARTMENT OF PIPER RUDNICK LLP, 3400 TWO LOGAN SQUARE, 18TH AND ARCH STREETS, PHILADELPHIA, PA, 19103	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1034	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A flame-retardant resin composition comprising 100 parts by weight of a rubber-reinforced polystyrene resin, from 0.1 to 20 parts by weight of an epoxy-modified phenolic resin, and from 1 to 30 parts by weight of an aromatic phosphate has good flame retardancy and good lightfastness, still having good mechanical characteristics intrinsic to the thermoplastic resin therein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 3 OF 12 USPATFULL on STN

ACCESSION NUMBER: 2003:334168 USPATFULL

TITLE: Container for an electronic component

INVENTOR(S): Miyakawa, Takeshi, Gunma, JAPAN
Fujimura, Tetsuo, Gunma, JAPAN
Ogita, Katsuhisa, Gunma, JAPAN

PATENT ASSIGNEE(S): Denki Kagaku Kogyo Kabushiki Kaisha, Tokyo, JAPAN
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20030235041	A1	20031225
	US 7364778	B2	20080429
APPLICATION INFO.:	US 2002-178021	A1	20020624 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314		
NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Page(s)		
LINE COUNT:	756		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			
AB	A container for an electronic component made of a resin, wherein when the container and an electronic component contained in the container are rubbed 20,000 times, a static electrification voltage of at most 2,000V by the absolute value on the surface of the electronic component is generated.		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 4 OF 12 USPATFULL on STN

ACCESSION NUMBER: 94:104624 USPATFULL

TITLE: Polycarbonate/aromatic polyester blends containing an olefinic modifier

INVENTOR(S): Laughner, Michael K., Lake Jackson, TX, United States

PATENT ASSIGNEE(S): The Dow Chemical Company, Midland, MI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5369154		19941129
APPLICATION INFO.:	US 1992-960482		19921009 (7)
DISCLAIMER DATE:	20100323		
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1991-703934, filed on 22 May 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-508997, filed on 12 Apr 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Buttner, David		
NUMBER OF CLAIMS:	18		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1258		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			
AB	A polycarbonate blend of good impact and flexural strength, good heat distortion and weldline properties, low gloss, and good solvent resistance prepared by admixing with polycarbonate an aromatic polyester, an olefinic epoxide-containing modifier, and one or more members of the group consisting of a thermoplastic elastomer and a rubber-modified styrene/acrylonitrile copolymer. Optionally, a graft copolymer of the core-shell type may be used as an additional impact modifier.		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 5 OF 12 USPATFULL on STN

ACCESSION NUMBER: 93:46460 USPATFULL

TITLE: Thermoplastic resin and process for reducing the same
 INVENTOR(S): Matsumoto, Makoto, Tokyo, Japan
 Watanabe, Junichiro, Tokyo, Japan
 Kurata, Takashi, Tokyo, Japan
 Ijuin, Noriaki, Tokyo, Japan
 Furuyama, Tateki, Tokyo, Japan
 PATENT ASSIGNEE(S): Toshiba Silicone Co., Ltd., Tokyo, Japan (non-U.S. corporation)
 Japan Synthetic Rubber Co., Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5218014		19930608
APPLICATION INFO.:	US 1990-627815		19901214 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-327687	19891218
	JP 1990-229798	19900831
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Michl, Paul R.	
ASSISTANT EXAMINER:	Merriam, Andrew E. C.	
LEGAL REPRESENTATIVE:	Obion, Spivak, McClelland, Maier & Neustadt	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1395	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A thermoplastic resin containing a graft copolymer obtained by graft-copolymerizing at least one vinyl monomer onto colloidal silica-core silicone-shell particles, and a process for producing the thermoplastic resin.

A colloidal silica-core silicone-shell particles comprising

(A) from 99.9 to 5% by weight of cores which are colloidal silica particles, and

(B) from 0.1 to 95% by weight of shells comprising an organosiloxy group represented by the formula ##STR1## wherein R.sup.1 which may be the same or different each represents a substituted or unsubstituted monovalent hydrocarbon group having 1 to 8 carbon atoms, Q represents hydrogen atom or an alkyl group having 1 to 6 carbon atoms, p is an integer of 1 to 3, and q is an integer of 0 to 2, with proviso that (p+q) is an integer of 1 to 3, and/or a polyorganosiloxane represented by the average composition formula ##EQU1## wherein R.sup.2 which may be the same or different each represents a substituted or unsubstituted monovalent hydrocarbon group having 1 to 8 carbon atoms and a is a number of 0.8 to 3.0, wherein 0.02 to 100 mole % of the sum of R.sup.1 and R.sup.2 are groups containing a reactive unsaturated group.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 6 OF 12 USPATFULL on SIN
 ACCESSION NUMBER: 92:76919 USPATFULL
 TITLE: Polyorganosiloxane series thermoplastic resin and composition thereof
 INVENTOR(S): Yamamoto, Yuji, Tokyo, Japan
 Kurata, Takashi, Tokyo, Japan

Nakazawa, Kazuyoshi, Tokyo, Japan
 Tsuda, Yusuke, Tokyo, Japan
 Watanabe, Junichiro, Gunma, Japan
 Matsumoto, Makoto, Gunma, Japan
 Kurita, Akitsugu, Gunma, Japan
 Funahashi, Yuichi, Gunma, Japan
 PATENT ASSIGNEE(S): Japan Synthetic Rubber Co., Ltd., Tokyo, Japan
 (non-U.S. corporation)
 Toshiba Silicone Co., Ltd., Tokyo, Japan (non-U.S.
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5147947		19920915
APPLICATION INFO.:	US 1989-429551		19891031 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1988-274727	19881031
	JP 1988-274728	19881031
	JP 1988-281603	19881108
	JP 1988-290128	19881118

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Bleutge, John C.
 ASSISTANT EXAMINER: Dean, Jr., R.
 LEGAL REPRESENTATIVE: Oblon, Spivak, McClelland, Maier & Neustadt
 NUMBER OF CLAIMS: 15
 EXEMPLARY CLAIMS: 1
 LINE COUNT: 1985

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A polyorganosiloxane series thermoplastic resin comprising a graft copolymer obtained from a vinyl monomer and a modified polyorganosiloxane, and a thermoplastic resin composition containing the same. The resin and the composition thereof have excellent slidability, abrasion resistance, weather resistance, cold resistance and impact resistance, and can be applied to new fields such as sliding parts, parts for cold district, outdoor parts, etc.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 7 OF 12 USPATFULL on STN
 ACCESSION NUMBER: 92:70372 USPATFULL
 TITLE: Thermoplastic resin composition and method for preparing the same
 INVENTOR(S): Orikasa, Yuichi, Yokohama, Japan
 Sakazume, Suehiro, Fujisawa, Japan
 PATENT ASSIGNEE(S): Nippon Petrochemicals Co., Ltd., Japan (non-U.S.
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5141984		19920825
APPLICATION INFO.:	US 1988-233240		19880817 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1987-203749	19870817
	JP 1987-271276	19871027
DOCUMENT TYPE:	Utility	

FILE SEGMENT: Granted
 PRIMARY EXAMINER: Ziegler, Jacob
 LEGAL REPRESENTATIVE: Ostrolenk, Faber, Gerb & Soffen
 NUMBER OF CLAIMS: 4
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 4 Drawing Figure(s); 2 Drawing Page(s)
 LINE COUNT: 973

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB There is here provided a thermoplastic resin composition which comprises (I) 99 to 1% by weight of a polyamide resin, (II) 1 to 99% by weight of at least one kind of resin selected from the group consisting of a polyphenylene ether resin, a mixture of the polyphenylene ether resin and a styrene polymer, and a polycarbonate resin, (III) 0.1 to 100 parts by weight, based on 100 parts by weight of the aforesaid resins (I)+(II), of a multi-phase structure thermoplastic resin which is composed of 5 to 95% by weight of an epoxy group-containing olefin copolymer and 95 to 5% by weight of a vinyl polymer or copolymer obtained from at least one kind of vinyl monomer, either of both the components being formed with a dispersion phase having a particle diameter of 0.001 to 10 μm . A method for preparing the above-mentioned thermoplastic resin composition is also provided here.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 8 OF 12 USPAT2 on STN
 ACCESSION NUMBER: 2004:121248 USPAT2
 TITLE: Flame-retardant resin composition, moldings thereof and flame retardant
 INVENTOR(S): Matsumoto, Hideki, Aichi, JAPAN
 Koyama, Masafumi, Chiba, JAPAN
 Yamauchi, Koji, Nagoya, JAPAN
 PATENT ASSIGNEE(S): Toray Industries, Inc., JAPAN (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 7244786	B2	20070717
	WO 2002012393		20020214
APPLICATION INFO.:	US 2001-344071		20010806 (10)
	WO 2001-JP6740		20010806
			20030327 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2000-239482	20000808
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Feely, Michael J.	
LEGAL REPRESENTATIVE:	DLA Piper US LLP	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	5	
LINE COUNT:	1122	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A flame-retardant resin composition comprising 100 parts by weight of a rubber-reinforced polystyrene resin, from 0.1 to 20 parts by weight of an epoxy-modified phenolic resin, and from 1 to 30 parts by weight of an aromatic phosphate has good flame retardancy and good lightfastness, still having good mechanical characteristics intrinsic to the thermoplastic resin therein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 9 OF 12 USPAT2 on STN

ACCESSION NUMBER: 2003:334168 USPAT2
 TITLE: Container for an electronic component
 INVENTOR(S): Miyakawa, Takeshi, Gunma, JAPAN
 Fujimura, Tetsuo, Gunma, JAPAN
 Ogita, Katsuhisa, Gunma, JAPAN
 PATENT ASSIGNEE(S): Denki Kagaku Kogyo Kabushiki Kaisha, Tokyo, JAPAN
 (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 7364778	B2	20080429
APPLICATION INFO.:	US 2002-178021		20020624 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Miggins, Michael C.		
LEGAL REPRESENTATIVE:	Obion, Spivak, McClelland, Maier & Neustadt, P.C.		
NUMBER OF CLAIMS:	37		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	792		

AB A container for an electronic component made of a resin, wherein when the container and an electronic component contained in the container are rubbed 20,000 times, a static electrification voltage of at most 2,000V by the absolute value on the surface of the electronic component is generated.

L7 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1991:208528 CAPLUS
 DOCUMENT NUMBER: 114:208528
 ORIGINAL REFERENCE NO.: 114:35179a, 35182a
 TITLE: Chemical- and impact-resistant thermoplastic resin compositions
 INVENTOR(S): Yamamoto, Kazuhiko; Shimamura, Toshihiro; Suzuki, Yoshinobu
 PATENT ASSIGNEE(S): Japan Synthetic Rubber Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03007752	A	19910114	JP 1989-330065	19891220
JP 2730233	B2	19980325		
PRIORITY APPLN. INFO.:			JP 1989-29135	A1 19890208
			JP 1989-49077	A1 19890228
			JP 1989-53477	A1 19890306

AB The compns. comprise (A) rubber-modified styrene graft copolymers [grafting degree (G) 70-200%] 50-90, (B) aromatic polyesters 5-50, and (C) aromatic polycarbonates 0-15%. Compns. comprising A (G 40-150%) 45-90, B 9-54, C 0-20, and vinylarene-grafted olefin copolymers with functional monomers 0.5-20% are also claimed. Thus, acrylonitrile-butadiene-styrene graft copolymer (G 100%) 45, acrylonitrile-styrene copolymer 20, TRB-H 30, A 2200 (polycarbonate) 5, TiO₂ 2, and

ethylenebismaleimide 0.5 part were kneaded, pelletized, and injection-molded to give a test piece showing Izod impact strength 71 kg-cm/cm, melt flow rate 10 g/10 min, heat-distortion temperature 95°, gloss 90%, and good solvent resistance, vs. 73, 9, 95, 90, and poor, resp., using 20 parts A 2200 instead.

L7 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1989:575428 CAPLUS
DOCUMENT NUMBER: 111:175428
ORIGINAL REFERENCE NO.: 111:29231a, 29234a
TITLE: Weather-resistant diene rubber-modified styrene polymer blends
INVENTOR(S): Saeki, Tadashi; Kojima, Hiroshi; Kuromitsu, Masayuki; Igawa, Kiyoshi
PATENT ASSIGNEE(S): Sumitomo Naugatuck Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01056762	A	19890303	JP 1987-212446	19870826
JP 06023292	B	19940330		

PRIORITY APPLN. INFO.: JP 1987-212446 19870826

AB Blends useful for moldings with good toughness and low gloss contain diene rubber-modified styrene polymers and styrene polymers 40-99.8, epoxy group-containing polyolefins 0.1-10, and polymers containing CO₂H, OH, or amino groups 0.1-50% (overall rubber content 5-40%). A mixture of styrene-acrylonitrile (I)-C₂H₄-C₃H₆-ethylidenenorbornene graft copolymer (II) 30, SAN 66, C₂H₄-glycidyl methacrylate copolymer 2, and styrene-I-methacrylic acid copolymer 2 parts [flow (210°, 30 kg/cm²) 0.18 mL/min] had Izod impact strength 18 kg-cm/cm (83% retention after 600 h Weatherometer exposure), and gloss 11%; vs. 18, 81, and 88, resp. for a 30:70 II-SAN blend.

L7 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1989:24839 CAPLUS
DOCUMENT NUMBER: 110:24839
ORIGINAL REFERENCE NO.: 110:4201a, 4204a
TITLE: Thermoplastic resin compositions having good melt fluidity and toughness useful for mat moldings
INVENTOR(S): Saeki, Tadashi; Kojima, Hiroshi; Kuromitsu, Masayuki; Igawa, Kiyoshi
PATENT ASSIGNEE(S): Sumitomo Naugatuck Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63137944	A	19880609	JP 1986-285091	19861129
JP 06015651	B	19940302		

PRIORITY APPLN. INFO.: JP 1986-285091 19861129

AB The compns. comprise 5-40 parts diene rubber-modified styrene resins 40-99.8, epoxy-containing olefin polymers 0.1-10, and CO₂H-, OH- or N-containing polymers 0.1-50%. Thus, a composition of ABS graft copolymer (containing 50% butadiene rubber) 30, acrylonitrile (I)-styrene (II) copolymer 66, ethylene-glycidyl methacrylate-vinyl acetate copolymer 2, and I-II-methacrylic acid copolymer 2 parts showed melt fluidity 0.17 cm³/min (210°, 30 kg/cm²), which was extruded and molded to form an even product showing Izod impact strength 17 kg-cm/cm and gloss 15%; vs. 18 and 91, resp., using a composition of 30% ABS graft copolymer and 70% I-II copolymer.

=> FIL STNGUIDE
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
129.18	129.84

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
CA SUBSCRIBER PRICE

SINCE FILE	TOTAL
ENTRY	SESSION
-2.46	-2.46

FILE 'STNGUIDE' ENTERED AT 14:54:14 ON 08 SEP 2009
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Sep 4, 2009 (20090904/UP).

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YOU HAVE REQUESTED DATA FROM FILE 'USPATFULL, USPAT2, CAPLUS' - CONTINUE? (Y)/N:y

L7 ANSWER 9 OF 12 USPAT2 on STN
ACCESSION NUMBER: 2003:334168 USPAT2
TITLE: Container for an electronic component
INVENTOR(S): Miyakawa, Takeshi, Gunma, JAPAN
Fujimura, Tetsuo, Gunma, JAPAN
Ogita, Katsuhisa, Gunma, JAPAN
PATENT ASSIGNEE(S): Denki Kagaku Kogyo Kabushiki Kaisha, Tokyo, JAPAN
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 7364778	B2	20080429
APPLICATION INFO.:	US 2002-178021		20020624 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Miggins, Michael C.		
LEGAL REPRESENTATIVE:	Oblon, Spivak, McClelland, Maier & Neustadt, P.C.		
NUMBER OF CLAIMS:	37		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	792		
DETD	The resin for the container is preferably one which is close to the resin used in the molding compound for an electronic component to be contained, in the series of frictional electrification. A positive polarity resin and a negative polarity resin in the series of frictional		

electrification may be used together. Static electricity generated by rubbing between the container and the electronic component can be reduced to decrease the static electrification voltage. An epoxy type resin is widely used for a molding compound for an IC. A blended product of a polystyrene which is on the positive polarity side and a polyethylene on the negative polarity side relative to the epoxy type resin in the series of frictional electrification is a preferred resin. A resin having structures of both polystyrene and polyethylene is also used preferably. Such a resin may, for example, be a copolymer comprising a styrene type polymer and/or an acrylic ester type polymer grafted to an olefin type polymer. The olefin type polymer is one obtained by polymerization of an olefin, and it may, for example, be a homopolymer of an olefin, a copolymer of a plurality of olefins, or a copolymer of an olefin. An ethylene type polymer, a propylene type polymer or an ethylene-glycidyl methacrylate type copolymer may suitably be used. The styrene type polymer is a polymer obtained by polymerization of styrene as the main component, and it may, for example, be a styrene polymer which is a homopolymer of styrene, or a copolymer of styrene. As the copolymer of styrene, an acrylonitrile-styrene copolymer may, for example, be preferably used. The acrylic ester type polymer is a homopolymer of methyl methacrylate or a copolymer of methyl methacrylate with a monomer copolymerizable therewith. The copolymerizable monomer may, for example, be a C.sub.2-4 methacrylate, a C.sub.1-8 acrylic ester such as butyl acrylate, styrene, α -methylstyrene, acrylonitrile, acrylic acid or another methylenic unsaturated monomer.

DETD A thermoplastic resin is used for a container, the surface of which is roughened. The thermoplastic resin is not particularly limited, and it may, for example, be polyvinyl chloride, polyethylene, polypropylene, a styrene homopolymer resin, a rubber modified polystyrene type resin, a polyphenylene ether type resin, a polycarbonate type resin or a polyester type resin. Such a resin may be a random copolymer resin, a block copolymer resin or a graft copolymer resin. The thermoplastic resin may be used alone or in combination.

DETD The same operation as in Example 1 was carried out except that MODIPER A-4200 was used as an ethylene-glycidyl methacrylate copolymer-g-methyl methacrylate resin.

DETD For a comparison with Examples 11 to 16, using as a resin a polyethylene type graft copolymer resin (MODIPER, trade name, manufactured by NOF CORPORATION) as the material, the resin was extruded from a dice having a width of 550 mm by means of a Φ 40 mm single axis extruder manufactured by Tanabe Kikai, and pinched between a metal gloss roll and a silicon rubber roll to form a sheet having a thickness of 300 μ m. At the time of sheet formation, the roll temperature was changed to prepare sheets having surface roughnesses of Comparative Examples 8 to 10. Then, each of these sheets was heated and subjected to vacuum forming to form a carrier tape-like product as shown in FIG. 2. Then, as the surface roughness of the carrier tape, Ra and Rmax were measured by means of a feeler type surface roughness measuring apparatus SURFCOM manufactured by TOKYO SEIMITSU CO., LTD. with a reference length of 2.5 mm, whereupon Ra was less than 0.5 μ m and Rmax was less than 5 μ m. Then, the IC and the carrier tape were rubbed with each other in the same manner as in Example 11. As evident from the results shown in Table 4, a static electrification voltage of several thousands volt was observed on the surface of the rubbed IC by rubbing between the rubbing test specimen having a surface roughness and the IC.

CLM What is claimed is:

14. The packaging according to claim 13, wherein said styrene type

polymer is a styrene polymer and/or an acrylonitrile-styrene copolymer.

CLM What is claimed is:
 16. The packaging according to claim 15, wherein said olefin polymer is at least one member selected from the group consisting of an ethylene polymer, a propylene polymer and an ethylene-glycidyl methacrylate copolymer, and wherein said styrene polymer is a styrene polymer and/or an acrylonitrile-styrene copolymer.

CLM What is claimed is:
 18. The packaging according to claim 17, wherein said olefin polymer is at least one member selected from the group consisting of an ethylene polymer, a propylene polymer and an ethylene-glycidyl methacrylate copolymer.

CLM What is claimed is:
 33. The packaged unit according to claim 32, wherein said styrene polymer is a styrene polymer and/or an acrylonitrile-styrene copolymer.

CLM What is claimed is:
 35. The packaged unit according to claim 34, wherein said olefin polymer is at least one member selected from the group consisting of an ethylene polymer, a propylene polymer and an ethylene-glycidyl methacrylate copolymer, and wherein said styrene polymer is a styrene polymer and/or an acrylonitrile-styrene copolymer.

CLM What is claimed is:
 37. The packaged unit according to claim 36, wherein said olefin polymer is at least one member selected from the group consisting of an ethylene polymer, a propylene polymer and an ethylene-glycidyl methacrylate copolymer.

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.07	136.65
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.46

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